

Materials List for

LipidUNet-Machine Learning-Based Method of Characterization and Quantification of Lipid Deposits Using iPSC-Derived Retinal Pigment Epithelium

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Materials

Name	Company	Catalog Number	Comments
0.22 µm Steriflip filter system	EMD Millipore	SCGP00525	
1x Dulbecco's Phosphate Buffered Saline	Gibco	14190-144	
3,3',5-Triiodo-L-thyronine	Sigma	T5516	
Albumin Bovine, Fraction V	MP Biomedical	160069	
Alexa Fluor 555 rabbit anti-goat IgG (H+L)	Invitrogen	A21431	APOE secondary antibody
APOE primary antibody	Millipore Sigma	AB947	
BODIPY 493/503	Invitrogen	D3922	Protect from light
Complement competent human serum	Millipore Sigma	S1-LITER	
CTS N2 Supplement	Life Technologies	A13707-01	
Fetal Bovine Serum	Hyclone	SH30071.03	
Fluoromount-G	SouthernBiotech	0100-01	Slide mounting media
Glass Cover Slips #1 1/2 22 mm x 22 mm	Electron Microscopy Sciences	72204-01	
Glass Microscope Slide 25 mm x 75 mm- 1.2 mm Thick	Electron Microscopy Sciences	71870-01	
Hydrocortisone	Sigma	H0396	
MEM Alpha	Life Technologies	12571-063	
MEM non-essential Amino Acids	Life Technologies	11140	
Nile Red	Sigma	72485-100MG	Protect from light
Paraformaldehyde 16% Solution, EM Grade	Electron Microscopy Sciences	15710	
Penicillin-Strep	Life Technologies	15140-148	
Phosphate Buffered Saline 10x	Gibco	70011-044	
Rod Outer Segments (OS)	InVision Bioresources	98740	
Sodium bicarbonate	Sigma Aldrich	S5761	
Sodium Pyruvate	Life Technologies	11360-070	
Sucrose	Sigma Aldrich	S1888	
SYBR Green Master Mix	Bio-Rad	1725274	
Taurine	Sigma	T0625	
Triton X-100	Sigma	9002-93-1	
Tween 20 Ultrapure	Affymetrix	9005-64-5	

Vitronectin	Life Technologies	A14701SA	
Y-27632 dihydrochloride	R&D Systems	1254	